

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"SiO2" same "reactive layer"	USPAT	OR	ON	2006/03/04 21:06
S1	0	("TFBAR or "thin film bulk acoustic resonator") same(sens\$4 or detect\$4) same reference same material".PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/06 12:20
S2	2	(TFBAR or "thin film bulk acoustic resonator") same(sens\$4 or detect\$4) same reference same material	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/06 13:03
S3	526	(TFBAR or "thin film bulk acoustic resonator" or resonator) same(sens\$4 or detect\$4) same reference same material	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/06 13:03
S4	220203	"73"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/06 12:22
S5	85	S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/06 13:02
S6	1017	310/324	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/06 13:02
S7	1	S2 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/06 13:03
S8	4	S3 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/06 18:08
S9	1	10/764023	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/06 18:09

EAST Search History

S10	5	("5932953").URPN.	USPAT	OR	ON	2005/07/06 22:57
S11	3950	("radio frequency" or RF) same mix\$4 same (resona\$4 or frequency) same power	USPAT	OR	ON	2005/07/06 22:59
S12	0	("radio frequency" or RF) same mix\$4 same (resona\$4 or frequency) same power same FBAR	USPAT	OR	ON	2005/07/06 22:59
S13	51	("radio frequency" or RF) same mix\$4 same (resona\$4 or frequency) same power same acoustic\$4	USPAT	OR	ON	2005/07/06 23:53
S14	2	(chip or "chip package") near3 sens\$4 same ("bonding pad" or pad) same external near3 (connection or pin) same (protect\$4 or support\$4)	USPAT	OR	ON	2005/07/07 00:00
S15	960	310/324	USPAT	OR	ON	2005/07/07 00:02
S16	7644	(chip or "chip package") same (semiconductor or sens\$4) same (pad or connect\$4 or pin) same (protect\$4 or support\$4)	USPAT	OR	ON	2005/07/07 00:04
S17	9	(chip or "chip package") same (semiconductor or sens\$4) same (pad or connect\$4 or pin) same (protect\$4 or support\$4) same ("printed circuit board" or "integrated circuit") same resonat\$4	USPAT	OR	ON	2005/07/07 00:13
S18	30480	(semiconductor or chip or "integrated circuit") same (pad or "bonding pad") same (pin or connect\$4)	USPAT	OR	ON	2005/07/07 12:45
S19	0	"thin film bulk acoustic resonator" same "reference sensor" same piezoelectronic	USPAT	OR	ON	2005/07/07 12:46
S20	0	"thin film acoustic resonator" same "reference sensor" same piezoelectronic	USPAT	OR	ON	2005/07/07 12:46
S21	0	"acoustic resonator" same "reference sensor" same piezoelectronic	USPAT	OR	ON	2005/07/07 12:47
S22	0	"acoustic resonator" same "reference sensor" same piezoelectronic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:47

EAST Search History

S23	0	"acoustic resonator" same "reference sensor" same piezoelectric same "bonding pads"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:48
S24	0	"acoustic resonator" same piezoelectric same "bonding pads"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:48
S25	32615	resonator same piezoelectric same "bonding pads" same pin or "external connection"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:54
S26	122637	"310"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:52
S27	618	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:53
S28	0	resonator same piezoelectric same "bonding pads" same pin near3 external	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:54
S29	0	resonator same piezoelectric same "bonding pad" same pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:54
S30	0	resonator same piezoelectric same bond\$4 same pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:57
S31	0	resonator same piezoelectric same (adsorption or reactive) near2 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:57
S32	0	resonator same piezoelectric same ("adsorption layer" or "reactive layer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:58

EAST Search History

S33	0	resonator same piezoelectric same "reactive layer"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:58
S34	0	resonator same piezoelectric same "adsorption layer"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:58
S35	0	resonator same piezoelectric same layer same reactive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 12:59
S36	2	resonator same piezoelectric same layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 13:04
S37	316	73/514.34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 13:05
S38	1	10/764023	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 13:05
S39	1017	310/324	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 13:09
S40	0	S39 and "bomding pads" and pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 13:09
S41	0	S39 and "bomding pads"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 13:09
S42	511	S39 and bond\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 13:10

EAST Search History

S43	3	S42 and "chip package"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 14:12
S44	73	sensor near3 "chip package" same pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/07 14:12
S45	1	"5914138".pn.	USPAT	OR	ON	2005/07/07 16:07
S46	1	"6187241".pn.	USPAT	OR	ON	2005/07/07 16:08
S47	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same (article or object or target) same layer near5 (skin with core) same (charcateristic or shape) same (transdcuer or transmitter or receiver or transceiver)	USPAT	OR	ON	2005/07/07 16:10
S48	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same (article or object or target) same layer near5 (skin with core) same (characteristic or propert\$3) same (transducer or transmitter or receiver or transceiver)	USPAT	OR	ON	2005/07/07 16:11
S49	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same (article or object or target) same layer near5 (skin with core) same characteristic same (transducer or transmitter or receiver or transceiver)	USPAT	OR	ON	2005/07/07 16:11
S50	88	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same (article or object or target) same layer same characteristic same (transducer or transmitter or receiver or transceiver)	USPAT	OR	ON	2005/07/07 16:19
S51	113483	"73"/\$.ccls.	USPAT	OR	ON	2005/07/07 16:12
S52	35	S50 and S51	USPAT	OR	ON	2005/07/07 16:15
S53	2	parameter same "killing function"	USPAT	OR	ON	2005/07/07 16:17
S54	1	electronic same "killing function"	USPAT	OR	ON	2005/07/07 16:17

EAST Search History

S55	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same (article or object or target) same "inner skin layer" near3 "core layer" same "outer skin layer" same characteristic same (transducer or transmitter or receiver or transceiver)	USPAT	OR	ON	2005/07/07 16:20
S56	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same (article or object or target) same "inner skin layer" near3 "core layer" same "outer skin layer" same (transducer or transmitter or receiver or transceiver)	USPAT	OR	ON	2005/07/07 16:20
S57	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same (article or object or target) same "inner skin layer" same "core layer" same "outer skin layer" same transducer	USPAT	OR	ON	2005/07/07 16:20
S58	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same "inner skin layer" same "core layer" same "outer skin layer" same transducer	USPAT	OR	ON	2005/07/07 16:21
S59	46	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same ("core layer" or "skin layer") same transducer	USPAT	OR	ON	2005/07/07 16:22
S60	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same ("core layer" or "skin layer") same transducer same (conveyor or carriage or transport or track) same (contorller or computer or processor)	USPAT	OR	ON	2005/07/07 16:24
S61	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same ("core layer" or "skin layer") same transducer same (conveyor or carriage or transport or track)	USPAT	OR	ON	2005/07/07 16:24
S62	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same ("core layer" or "skin layer") same transducer same (conveyor or carriage or transport or track) same characteristic	USPAT	OR	ON	2005/07/07 16:29

EAST Search History

S63	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same ("core layer" or "skin layer") same transducer same (conveyor or carriage or transport or track) same thickness	USPAT	OR	ON	2005/07/07 16:33
S64	26	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same layer same transducer same (conveyor or carriage or transport or track) same thickness	USPAT	OR	ON	2005/07/07 16:48
S65	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same (three-layer or "three layer" or core layer or "skin layer" or multilayer) same (transducer or receiver or CCD) same (conveyor or carriage or transport or track) same thickness same (processor or controller or computer) same (killing or canceling) near3 function	USPAT	OR	ON	2005/07/07 16:51
S66	32	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3) same (three-layer or "three layer" or core layer or "skin layer" or multilayer) same (transducer or receiver or CCD) same (conveyor or carriage or transport or track) same thickness	USPAT	OR	ON	2005/07/07 16:51
S67	0	acoustic\$4 same film near3 resonat\$4 same "reactive layer"	USPAT	OR	ON	2006/03/04 17:57
S68	87526	acoustic\$4 ear3 resonat\$4 same "reactive layer"	USPAT	OR	ON	2006/03/04 17:57
S69	0	acoustic\$4 near3 resonat\$4 same "reactive layer"	USPAT	OR	ON	2006/03/04 17:58
S70	1	acoustic\$4 same resonat\$4 same "reactive layer"	USPAT	OR	ON	2006/03/04 18:12
S71	0	"two port resonator" same "reactive layer"	USPAT	OR	ON	2006/03/04 18:12
S72	0	resonator near3 acoustic same "reactive layer"	USPAT	OR	ON	2006/03/04 18:12
S73	0	resonator same film same "reactive layer"	USPAT	OR	ON	2006/03/04 18:13
S74	1	resonator same "reactive layer"	USPAT	OR	ON	2006/03/04 18:13
S75	14	"reactive layer" same adsorption	USPAT	OR	ON	2006/03/04 18:27
S76	22	"reactive layer" same "thin film"	USPAT	OR	ON	2006/03/04 18:38

EAST Search History

S77	0	"reactive layer" same "thin film" same (resonator or acoustic)	USPAT	OR	ON	2006/03/04 18:38
S78	0	"reactive layer" same "thin film" and (resonator or acoustic)	USPAT	OR	ON	2006/03/04 18:39
S79	8	"reactive layer" same (resonator or acoustic)	USPAT	OR	ON	2006/03/04 21:05